Program of Study
Sareer Field: Industrial, Manufacturing and Engineering Systems
reer Cluster: Science, Technology, Engineering and Mathematics **Career Pathway: Science and Math**



Northeast Community College

DEGREE:

Pre-Engineering

http://www.northeast.edu/Degrees-and-Programs/Pre-Engineering

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL	GENERAL ELECTIVES PATHWAY ELEC		TIVE COURSES	VE COURSES EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES		
SCHOOL	9	English/Language Arts I	Algebra I	Physical Science	Geography	World Languages and Cultures Physical Education Health Education Information Technology Applications I Entrepreneurship CAD (Computer Aided Drafting) Principles of Design Principles of Contruction Housing and Home Furnishings		Intro to the Built Environment The Language of Architecture and Construction Principles of Maintenance and Operations		School Activities: SkillsUSA, OPPD/NPPD Power Drive, FFA, Math Club, MATHCOUNTS Community Activities: Do home repair projects Learn about history of the buildings in your community Work with a contractor Part-time employment within career cluster		
	10	English/Language Arts II	Geometry	Biology	World History							
HIGH S	11	English/Language Arts III	Algebra II	Chemistry or other science course	American History							
	12	English/Language Arts IV	Intro to Statistics Descrete Math Pre-Calc	Physics	American Government or Economcis							
GE		COMMUNICATIONS	матн	SCI	ENCE	SOCIAL SCI/ HUMANITIES		DEGREE REQUIREMENTS		MAJOR COURSES		
COMMUNITY COLLEGE	13	English Composition	Analytic Geometry and Calculus I	General Chemistry I	General Physics I	English Composition II			Professionalism in Science			
		Fund. of Communication	Analytic Geometry and Calculus II	General Chemistry II								
NORTHEAST CO	14		Ordinary Differential Equations	General Physics II and Lab	1 Approved Science elective	Art History	World History		Programming Fundamentals I	Lifestyles Assessment	Statics	
NORT			Analytic Geometry and Calculus III	General Physics II Lab		European Civilization			Technical Communications	Applied Dynamics	Lifestyles Management	